

Turnaround Time Dashboard

Reporting period: 04/25/21 - 05/01/21

The turnaround time measured is defined as the time between collection of specimen and reporting of results. This includes time to collect the specimen, time to ship the specimen and time to process the specimen and report the result. Some delays incurred between specimen collection and lab receipt of specimen may not be attributable to the labs. The turnaround time data for individual test results are currently only available at the date level (vs. date & timestamp). As such, the turnaround time calculations are based on whole day. On occasion, turnaround time may be higher if there is a date change between collection of specimen and reporting of results.

Labs that delivered more than 1,000 results in the week are included in the dashboard.

The data source for the analysis is CalREDIE; detailed methodology is included at the end of the document.



Turnaround Time, days¹

Reporting period: 04/25/21 - 05/01/21²

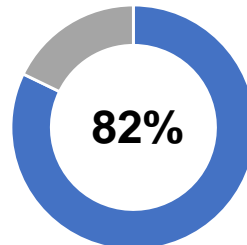
Average turnaround time for week 04/25/21 - 05/01/21

Average turnaround
time from specimen
collection to lab result
(days)

0.9

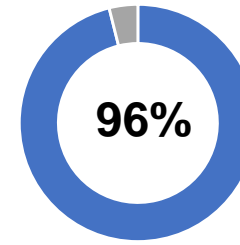
Days

Percentage of results
meeting turnaround time
of 1 day



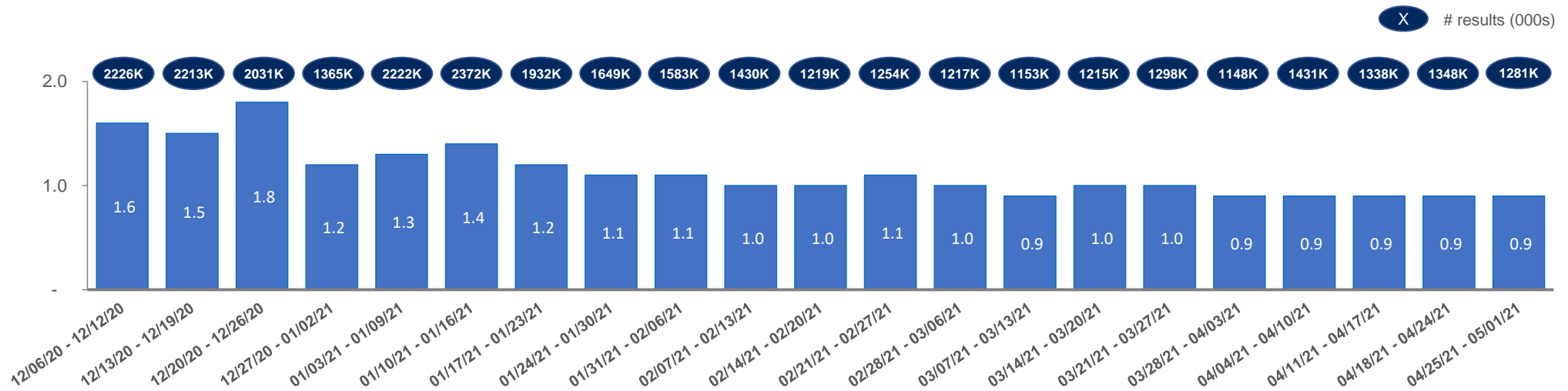
% change from week prior
-1%

Percentage of results
meeting turnaround time
of 2 days



% change from week prior
-2%

Average turnaround time by week, days¹



1. Average turnaround times were determined based on date timestamp data only - hour timestamp currently unavailable

2. Results assigned to week based on specimen result date; Results may be delayed entering CalREDIE production, therefore the metrics retroactively change

Time from specimen collection to lab result (days)			Week of 04/25/21 - 05/01/21 ²							
<div> <div>Period of time with majority of results</div> <div> <div>▲ Increase in % results within 2 days from prior period</div> <div>■ Defined as -1 to 1% change in results within 2 days from prior period</div> <div>▼ Decrease in % results within 2 days from prior period</div> </div> </div>			Total test count	1 day, % of results	2 days, % of results	3 days - 4 days, % of results	5+ days, % of results	Total results within 2 days, % of results	Difference in % of results within 2 days from prior period ¹	Specimen collection to result average TAT (days)
Total			1297643	82%	14%	3%	0%	96%	-2%	0.9
Commercial	SummerBio		148,130	86%	14%	0%	0%	100%	▲ 2%	<1
	Quest		71,363	63%	31%	6%	1%	94%	■ 1%	1.5
	Curative		67,726	76%	10%	8%	1%	92%	■ 0%	1.3
	Fulgent Genetics		67,009	93%	5%	1%	0%	99%	■ 0%	1.0
	MiraDx		53,117	94%	5%	1%	0%	99%	■ 1%	<1
	Laborp		40,254	62%	34%	3%	1%	94%	▼ -1%	1.5
	Color Genomics		37,562	94%	5%	0%	0%	100%	■ 0%	<1
	Avaline		30,532	99%	20%	13%	2%	89%	▲ 4%	1.6
	Flow Health		26,540	100%	0%	0%	0%	100%	■ 0%	<1
	PMH Laboratory		22,842	43%	40%	11%	1%	88%	▲ 5%	1.8
	BioReference Laboratories		21,757	49%	29%	21%	0%	78%	▼ -3%	1.5
	Helix OpCo		17,488	93%	7%	0%	0%	100%	■ 0%	<1
	Verily Labs		14,048	73%	18%	2%	0%	97%	▲ 3%	<1
	COVID Clinic		13,971	90%	7%	2%	0%	97%	■ -1%	<1
	STS Lab 2		12,145	63%	31%	6%	0%	94%	■ -1%	<1
	Genome and Biomedical Sciences Facility		12,033	100%	0%	0%	0%	100%	■ 0%	<1
	Biocept		8,212	49%	38%	13%	1%	86%	■ -7%	1.7
	Inspire Health Alliance		8,182	100%	0%	0%	0%	100%	■ 0%	<1
	GenexK		8,452	85%	9%	4%	2%	94%	▼ -4%	1.4
	Excelox		8,411	100%	0%	0%	0%	100%	■ 0%	<1
	WestPac Labs		7,761	74%	17%	8%	0%	92%	▼ -5%	1.3
	Ambray Genetics		6,207	100%	0%	0%	0%	100%	■ 0%	<1
	Cresview Clinical Laboratory		6,090	100%	0%	0%	0%	100%	■ 0%	<1
	UDL		6,042	99%	1%	0%	0%	100%	■ 0%	<1
	MD Labs		5,915	100%	0%	0%	0%	100%	■ 0%	<1
	Primex Clinical Laboratories		5,783	100%	0%	0%	0%	100%	■ 0%	<1
	Clarity Lab Solutions		5,548	100%	0%	0%	0%	100%	■ 0%	<1
	TruGraf		5,520	87%	13%	0%	0%	100%	■ 0%	1.0
	Brio Clinical		4,433	100%	0%	0%	0%	100%	■ 0%	<1
	DiaCarta		4,409	72%	28%	2%	0%	98%	■ 1%	1.3
	One Health Laboratory		4,435	100%	0%	0%	0%	100%	■ 0%	<1
	Owenity Laboratory		4,277	96%	3%	1%	0%	99%	■ 0%	<1
	HealthQuest Esoteric		3,958	88%	9%	3%	0%	97%	■ 0%	<1
	Genetwrx		3,810	71%	20%	8%	1%	90%	▲ 2%	<1
	AIT Labs		3,715	25%	38%	31%	6%	63%	■ 0%	2.4
	MyMedLab		3,679	84%	10%	6%	0%	94%	▲ 3%	1.1
	Genesis Laboratory Management		3,188	63%	28%	5%	4%	91%	▼ -1%	3.2
	Phamatech Laboratories & Diagnostics		3,062	100%	0%	0%	0%	100%	■ 0%	<1
	Clinical Reference Laboratory		2,806	4%	34%	52%	10%	38%	▼ -8%	3.0
	Aegis Sciences		2,862	71%	23%	5%	1%	94%	▲ 2%	1.4
	Healthy Care Clinical Laboratories		2,856	100%	0%	0%	0%	100%	■ 0%	<1
	Tempus Labs		2,600	10%	84%	5%	1%	94%	■ -1%	2.0
	Eurofins		2,554	69%	29%	1%	0%	98%	■ 1%	1.1
	Genesis Reference Laboratories		2,339	74%	17%	6%	3%	91%	■ 0%	1.8
	Infinity Biologix		2,404	100%	0%	0%	0%	100%	■ 0%	<1
	Foundation labs		2,394	97%	2%	1%	0%	99%	■ 0%	1.0
	Ashley Laboratory		2,354	100%	0%	0%	0%	100%	■ 0%	<1
	Omni Pathology		2,337	99%	1%	0%	0%	100%	■ 0%	<1
	Priva Path (dba LGC Labs)		2,312	70%	24%	6%	1%	93%	▲ 2%	1.4
	Pacific Diagnostic Laboratories		2,054	93%	7%	0%	0%	100%	■ 0%	<1
	Northwest Laboratory		1,792	68%	31%	1%	0%	99%	▲ 4%	1.3
	Pacific Toxicology Labs		1,718	100%	0%	0%	0%	100%	■ 0%	<1
	renegade.bio		1,696	100%	0%	0%	0%	100%	■ 0%	<1
	Nextgen Laboratories		1,675	100%	0%	0%	0%	100%	■ 0%	<1
	CMB Labs		1,609	100%	0%	0%	0%	100%	■ 0%	<1
	Valley Clinical Laboratory		1,560	92%	7%	1%	0%	99%	▲ 29%	<1
	Basis Diagnostics		1,482	100%	0%	0%	0%	100%	■ 0%	<1
	Simple Laboratories		1,415	100%	0%	0%	0%	100%	■ 0%	<1
	United States Drug Testing Laboratory		1,361	95%	4%	1%	0%	99%	■ 0%	1.0
	CVS		1,300	100%	0%	0%	0%	100%	■ 0%	<1
	Solaris		1,284	100%	0%	0%	0%	100%	■ 0%	<1
	Telomere Diagnostics		1,273	100%	0%	0%	0%	100%	■ 0%	<1
	Path MD		1,216	98%	2%	0%	0%	100%	■ 0%	<1
	Mako Medical		1,212	31%	40%	21%	3%	70%	▼ -13%	3.1
	Guardant Health		1,209	100%	0%	0%	0%	100%	■ 0%	<1
	Pangea Labs		1,158	97%	3%	0%	0%	100%	▲ 1%	<1
	Sun Clinical Laboratories		1,153	100%	0%	0%	0%	100%	■ 0%	<1
	Medical Diagnostic Laboratory		1,148	100%	0%	0%	0%	100%	■ 0%	<1
	Bach Diagnostics		1,117	68%	6%	25%	0%	73%	▼ -19%	1.6
	Universal Diagnostic Laboratories		1,053	100%	0%	0%	0%	100%	■ 0%	<1
	Pathway Genomics		1,044	51%	22%	20%	7%	73%	■ 0%	2.3
	Other Commercial (n=98)		14,209	86%	10%	3%	0%	97%	■ 0%	<1
	Total Commercial		854,696	81%	15%	4%	0%	96%	■ 1%	<1
Medical Center Affiliated	Kaiser SoCal		41,533	93%	5%	1%	0%	99%	■ 0%	<1
	Kaiser NorCal		40,982	53%	36%	10%	2%	89%	▼ -2%	1.6
	Dignity Health		15,015	98%	2%	0%	0%	99%	■ 0%	<1
	Calm Lab		13,616	99%	1%	0%	0%	100%	■ 0%	<1
	Sutter Health		13,528	98%	2%	0%	0%	100%	■ 0%	<1
	Santa Clara Valley Medical Center		10,551	99%	1%	0%	0%	100%	■ 0%	<1
	University of Southern California - Los Angeles		10,427	100%	0%	0%	0%	100%	■ 0%	<1
	UCLA		10,116	63%	36%	2%	0%	98%	■ -1%	<1
	UC Davis		10,081	100%	0%	0%	0%	100%	■ 0%	<1
	UC Irvine		10,066	59%	30%	11%	0%	89%	▼ -9%	1.3
	Stanford Hospital and Clinics		9,559	96%	4%	0%	0%	100%	■ 1%	<1
	Providence Health & Services		9,045	98%	0%	1%	0%	99%	■ 1%	<1
	HCA		8,351	100%	0%	0%	0%	100%	■ 0%	<1
	Innovative Genomics Institute		6,905	100%	0%	0%	0%	100%	■ 0%	<1
	Sharp HealthCare		5,923	99%	1%	0%	0%	100%	■ 0%	<1
	UCSF		4,046	99%	0%	0%	0%	100%	■ 0%	<1
	Scripps		4,026	100%	0%	0%	0%	100%	■ 0%	<1
	Adventist Health		3,111	95%	2%	3%	0%	97%	■ 0%	<1
	Cedars-Sinai Medical Center		2,842	100%	0%	0%	0%	100%	■ 0%	<1
	Community Medical Centers		2,835	99%	0%	0%	0%	100%	■ 0%	<1
	PathMD		2,719	99%	1%	0%	0%	100%	▲ 1%	<1
	Zuckerberg San Francisco General Hospital		2,136	100%	0%	0%	0%	100%	■ 0%	<1
	Loma Linda University Health		2,078	99%	0%	0%	1%	99%	■ 0%	<1
	UCSB Student Health		2,039	100%	0%	0%	0%	100%	■ 0%	<1
	Ventura County Hospital		1,908	100%	0%	0%	0%	100%	■ 0%	<1
	El Camino Health		1,790	100%	0%	0%	0%	100%	■ 0%	<1
	Common Spirit Health		1,688	72%	25%	3%	0%	97%	▲ 5%	1.3
	Salinas Valley Urology Associates		1,467	100%	0%	0%	0%	100%	■ 0%	<1
	Veterans Affairs		1,409	92%	3%	4%	0%	99%	▼ -2%	<1
	MLK Jr. Hospital		1,363	95%	1%	4%	0%	96%	■ 0%	<1
	MemorialCare		1,360	100%	0%	0%	0%	100%	■ 0%	<1
	Kaweah Delta		1,207	100%	0%	0%	0%	100%	■ 0%	<1
	Huntington Hospital		1,222	99%	0%	0%	0%	100%	■ 0%	<1
	Eisenhower Health		1,042	100%	0%	0%	0%	100%	■ 0%	<1
	Palomar Medical Center		1,041	100%	0%	0%	0%	100%	■ 0%	<1
	Citrus Valley Health		1,018	93%	2%	1%	4%	96%	■ 0%	<1
	Other Medical Center Affiliated (n=109)		26,484	96%	3%	0%	0%	99%	■ 0%	<1
	Total Medical Center Affiliated		284,719	88%	9%	2%	0%	97%	■ -1%	<1
PHL	Valencia Branch Lab (VBL)		85,047	74%	23%	3%	0%	97%	■ 0%	1.3
	San Diego PHL		5,586	90%	10%	0%	0%	100%	■ 0%	1.0
	Contra Costa PHL		2,364	68%	32%	0%	0%	100%	■ 0%	1.3
	Sonoma PHL		2,171	54%	32%	13%	0%	87%	▲ 9%	1.8
	Santa Clara PHL		1,519	80%	12%	3%	0%	97%	■ 0%	1.2
	Orange PHL		1,422	93%	8%	9%	0%	97%	■ -9%	1.0
	Other PHL (n=16)		4,252	69%	23%	7%	1%	92%	■ 1%	1.

Methodology for calculating lab turnaround time (TAT) from specimen collection to lab result

Data

- Data source - CalREDIE Electronic Lab Reporting (ELR) messages received in CalREDIE production
- "Specimen collected date" and "Result date" are reported by the laboratory via HL7 ELR messages

Assumptions

- Specimens collected prior to 3/1/2020 excluded from analysis due to potential concerns with data accuracy
- Only labs processing at least 1K tests during the reporting period are included in the lab breakdown
- The turnaround time measured is defined the time between collection of specimen and reporting of results.
 - This includes time to collect the specimen, time to ship the specimen and time to process the specimen and report the result. Some delays incurred between specimen collection and lab receipt of specimen may not be attributable to the labs.
- The turnaround time data for individual test results are currently only available at the date level (vs. date & timestamp). As such, the turnaround time calculations are based on whole day. On occasion, turnaround time may be higher if there is a date change between collection of specimen and reporting of results.
- **Sample calculation**
 - Example data: Specimen collected date: 7/20, Result date: 7/27, DISA arrival date: 7/27
 - Specimen collection to CDPH receipt of lab result = Result date (7/27) - Specimen collected date (7/20) = 7 days
 - Lab result to CDPH receipt of lab: DISA arrival date (7/27) - Result date (7/27) = <1 day

Additional notes

- The metrics described may differ from other state-reported data. The testing volumes in this report includes only ELR messages received in CalREDIE production
- Results are assigned to week based on specimen result date and there may be a delay in releasing results into CalREDIE production, as local health jurisdictions may still be processing the result in the reported period. As such, the metrics may retroactively change as results come in for prior reporting periods
- The metrics described may differ from other state-reported data. The testing volumes in this report includes only ELR messages received in CalREDIE production